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(54) TREATMENT OF THERMOPLASTIC POLYESTER CONTAINER

(57)Abstract:

PURPOSE: To produce the titled container which can show improved gas barrier property to oxygen or carbon dioxide even in a high relative humidity, by applying a coating layer comprising an ethylene/vinyl alcohol copolymer resin to the surface of the wall of the biaxially stretched body of a thermoplastic polyester container and applying a coating layer comprising a moisture-proof transparent resin thereto.

CONSTITUTION: A first coating synthetic resin component is formed on at least the external surface of the biaxially stretched body of a thermoplastic polyester (e.g., polyethylene terephthalate) container by application and subsequent drying of a coating agent comprising a solvent solution containing an ethylene/vinyl alcohol copolymer as a film-forming component. A second coating synthetic resin layer is formed on the surface of said first coating synthetic resin layer by application and subsequent drying of a coating agent comprising a synthetic resin having an ability to form a film having moisture-proofness and transparency (e.g., acrylic or urethane resin).